

METHOD OF USING MOLYBDENUM CARBIDE CATALYST

Related Application

WAL This application is a divisional application of U. S. Patent Application Serial No. 09/817,523, filed on March 26, 2001, ^{abandoned,} The entire disclosure of this application is incorporated herein by reference.

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Background of the Invention

Synthesis gas is a mixture of hydrogen and carbon monoxide, which is formed from methane reforming and has a variety of different applications in organic reactions. This can be formed by combining steam and oxygen with methane at high temperatures. Another method of forming synthesis gas from methane is the methane dry reforming reaction. In this reaction, carbon dioxide is mixed with methane and the blend is subjected to high temperature i.e., 850°C in the presence of a catalyst. This in turn forms hydrogen and carbon monoxide. The hydrogen from the reforming process is particularly suitable for use in fuel cell power systems.

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